

POOR LEGIBILITY

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DUE TO THE QUALITY OF THE ORIGINAL

PRELIMINARY ASSESSMENT

DATE: March 1988

PREPARED BY: Barry Padilla
California Department of Health Services
Toxic Substances Control Division
Northern California Section

SITE: Waterworks MFG.
3387 Plumas-Arboga Road
Marysville, CA. 95901

ASPIS #: 58-34-0001

EPA ID #: CAD082106683

1. Initial Conclusions and Recommendations for Further Action:

a) Site Description:

Waterworks MFG. (Waterworks) is located at 3387 Plumas-Arboga Road, Marysville, CA., 95901, Yuba County (see Figure 1). The site is located approximately seven miles south of downtown Marysville, California, west of Highway 70. Waterworks is situated within a rural area of scattered residential units and pastures. The site is 25.59 acres in size (APN 140-035-043, see Figure 2).

Waterworks has operated at the site since 1977 manufacturing steel pipe parts. No information was available regarding manufacturing processes at the site. Hazardous materials produced at Waterworks are hauled off-site by American Waste Container Service, Inc. to an approved Class I Disposal Site or to an authorized recycler. Prior to 1983 waste was hauled to Casmalia Resources. Presently, the waste is being disposed of at the Kettleman Hills Facility (1).

It is reported that a pipeline accessories company operated at the site prior to Waterworks. This company was a division of Manville Corp, Denver, Colorado (1).

The site is located within a flat region between Highway 70 and the Feather River. There is a large structure which houses the manufacturing plant and office at the west end of the property. A small shed is located south of the plant/office structure. A paved parking area is located at the southwest corner of the site. The area south of the plant/office structure is paved along the length of the building. Along the north and northwest end of the site are numerous pipes and other metal pieces stored on pallets and metal racks. A drainage ditch runs along the west end of the property adjacent to Plumas-Arboga Road. A drainage

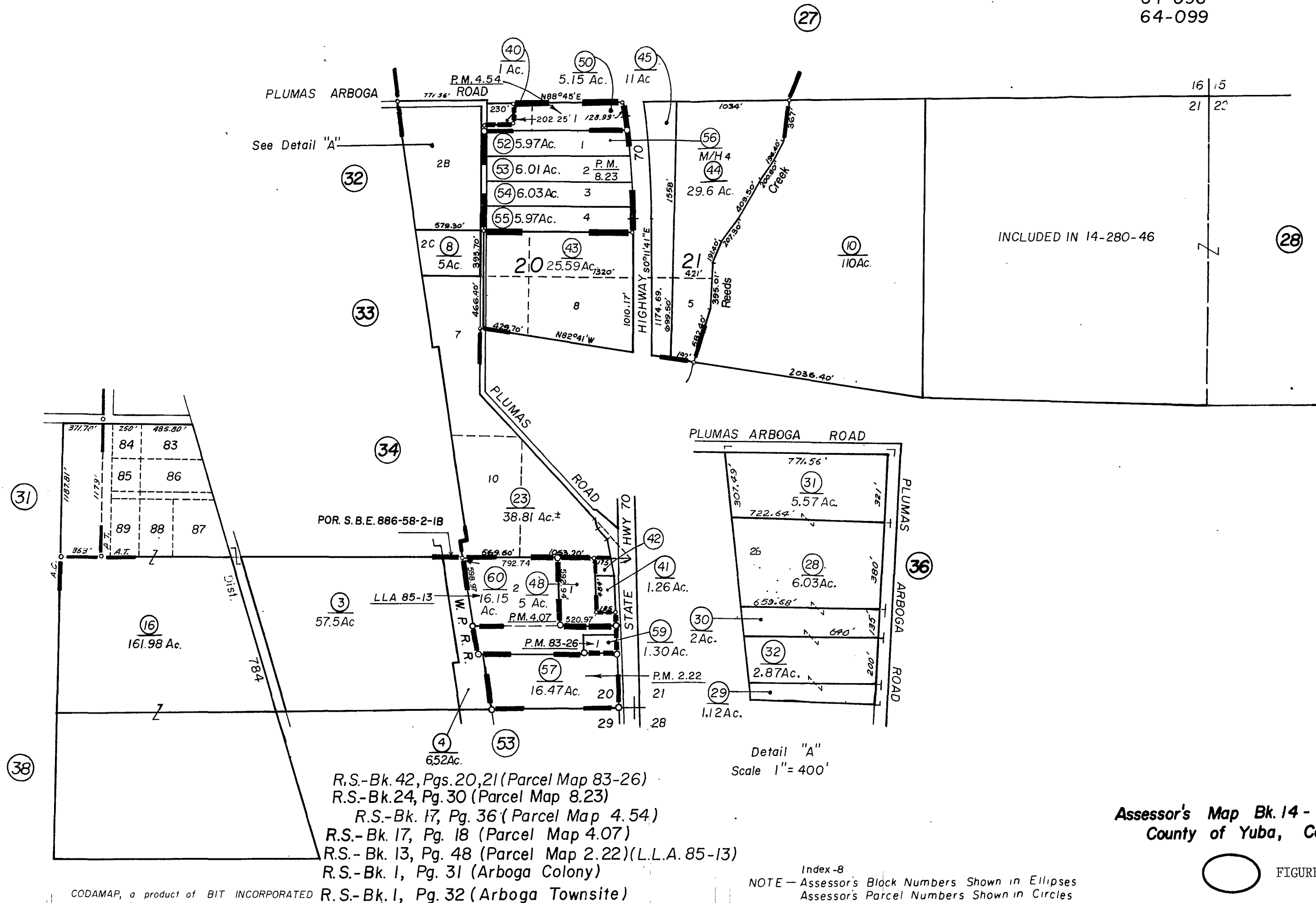
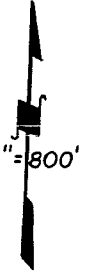


BLOCK 19, 20, 21, ARBOGA COLONY & POR. OF ARBOGA TOWNSITE
SEC. 20, 21, T. 14 N., R. 4 E., M. D. B. & M.

Tax Assessor's Code

64-100
64-096
64-099

14-35



R.S.-Bk. 42, Pgs. 20, 21 (Parcel Map 83-26)
R.S.-Bk. 24, Pg. 30 (Parcel Map 8.23)
R.S.-Bk. 17, Pg. 36 (Parcel Map 4.54)
R.S.-Bk. 17, Pg. 18 (Parcel Map 4.07)
R.S.-Bk. 13, Pg. 48 (Parcel Map 2.22) (L.L.A. 85-13)
R.S.-Bk. 1, Pg. 31 (Arboga Colony)
R.S.-Bk. 1, Pg. 32 (Arboga Townsite)

Detail "A"
Scale 1" = 400'

Index -8
NOTE - Assessor's Block Numbers Shown in Ellipses
Assessor's Parcel Numbers Shown in Circles

Assessor's Map Bk. 14 - Pg. 35
County of Yuba, Calif.

FIGURE 2

also runs along the north edge of the property beneath the fence. The entire site is fenced and has a locking gate (2).

Apparent Problem:

The Department of Health Services (DHS) Abandoned Site Project (ASP) program investigated the site in 1983. The investigation included, but was not limited to, a file search at state and local governmental agencies and a drive-by observation of the site. No reported problems concerning hazardous materials was found in agency files. During a site drive-by on 28 July 1983 ASP staff observed a rusty-colored unpaved washdown area at the north side of the site (3).

The site was observed on 27 January 1988 by DHS staff. The site was active and was observed from Plumas-Arboga Road. No visible signs of on-site ponds, sumps, or washdown areas were noted. The area to the north and northwest of the plant/office structure appeared to be used to store pipes and miscellaneous metal pieces. An area north of the plant/office structure was dusted with a rust colored material (3).

b) HRS Factors:

The Hazard Ranking System (HRS) was developed for EPA by the Mitre Corporation to numerically rank hazardous substances sites for placement on the National Priority List (NPL). Although these HRS factors are intended to be covered in more detail in the Site Inspection (SI) phase of FIT's investigations, HRS information which is readily available is included in this section. The HRS factors form the basis for a Recommendation for Further Action and provide a valuable data base for any future investigation

Observed Release:

No observed release of hazardous materials to the environment has been documented.

Direct Contact/Fire and Explosion:

The site is enclosed by a high security fence with a locking gate. Direct contact by the general population is not likely.

Raw materials and wastes stored at the site may pose a potential fire and/or explosion hazard.

Waste type:

Waste produced at the site, as reported by the operator, include blasting sand, epoxy (powder and liquid), metal dust and

machining waste, coolants, oils and emulsions, paint sludge, and solvents (1).

Waste Quantity:

The quantity of waste produced is unknown. As reported by the operator, waste is picked-up and disposed of by an authorized waste hauler. Certain waste is taken to a recycler.

Groundwater:

Hydrogeologic information is derived solely from drillers well logs unless otherwise stated. Thirty well logs were gathered from Section 20, Township 14 N., Range 4 E., of which 26 were domestic, three were irrigation, and one was industrial. The residence of the city of Arboga and the surrounding area obtain their drinking water from groundwater.

Groundwater has been encountered as shallow as 35 feet while drilling and at 18 feet after perforation. Recent well logs report groundwater at 65 feet after well completion. Groundwater depths will vary according to seasonal fluctuations and recharge factors.

According to information obtained from well logs, where information is sufficiently provided, groundwater occurs under confined conditions. Wells were drilled to depths ranging from 70 to 220 feet. Wells were perforated at depths ranging from 72 to 101 feet where reported.

Groundwater flow is generally to the west toward the Feather River. Flow may be influenced by extensive pumping from irrigation wells (4).

Groundwater is used for domestic, irrigation, and industrial purposes. It is not known how many wells are within a three mile radius of the site or the population served by groundwater.

According to the wells logs obtained the region is underlain by alternating sequences of sand, gravel, and clay. Generally, top soil is present along the top two to six feet. Hard pan is reported in certain locations as deep as 15 feet. Clays may be present immediately beneath the top soil to depths of 40 feet. However, varying sequences of clay, sand, and gravel are reported at various depths. The permeability of the unsaturated zone will vary from area to area within the region and cannot be accurately reported without further study.

Average annual precipitation is 22.33 inches, years of measurement are unknown (5). Lake evaporation, measurement years 1950 to 1952, is 38.94 inches (converted from pan evaporation

readings reported in millimeters) (6). Net annual precipitation is -16.61 inches.

Surface Water:

The Feather River is located approximately three miles west of the site. Regional slope is west-southwest toward the river (7).

Exact drainage patterns at the site are unknown. A cobble lined drainage ditch runs along the north end of the site into a ditch running north-south along the west end of the site adjacent to Plumas-Arboga Road (2).

Other Factors:

The population density within a three mile radius of the site is unknown. Located approximately one mile west of the site is Arboga School. No other sensitive receptors were identified.

Waterworks is a RCRA regulated generator of hazardous wastes, EPA No. CAD082106683.

c) Conclusions/Recommendations:

It appears from information obtained at state and local agencies that Waterworks has properly stored and disposed of hazardous wastes generated at the facility. The information obtained does not indicate any past or present releases of hazardous materials to the environment. This does not conclude that no such incidences have occurred, only that any suspicion of such incidences are not warranted based on the information available.

No further action is recommended under CERCLA. This site is not likely to score on the National Priority List based on the information available at this writing.

No further action is recommended at the state level. There is no information available to indicate that a release of hazardous materials to the environment has occurred. The facility should receive regular inspections under RCRA regulations.

REFERENCES

- 1.) Abandoned Industrial Waste Disposal Survey, DHS, from Water Works MFG. Co. Undated.
- 2.) Abandoned Site Program Drive-by Record, DHS. 27 January 1988.
- 3.) Site Information Summary, DHS. 11 August 1983.
- 4.) Discussion with J.J. Krug of Yuba County Environmental Health, on 9 March 1988.
- 5.) Yuba County Airport Industrial Park, Yuba County Airport, Marysville, Yuba County, California. Undated.
- 6.) Evaporation from Water Surfaces in California. Bulletin 73-79. DWR. November 1979.
- 7.) Olivehurst Quadrangle Topographic Map, USGS. 7.5 Minute. Photorevised 1973.

AGENCY CONTACT RECORD

Site Name: Waterworks MFG Preparer Name: Benny Padilla

Facility File Number: 24 500-1

AGENCY	CONTACT	DATE	RESPONSE
Yuba County Env. Health	J.J. King	1/26/88	No File
Central Valley Regional Water Qual. Cont. Board	Mike Bloyd	1/26/88	No File
Yuba Co. Health Office		1/26/88	MFG

ABANDONED INDUSTRIAL WASTE DISPOSAL SITE SURVEY

Your cooperation in completing this form is appreciated. If you are completing this form for several plants, please use a separate form for each plant your company has operated and/or currently operates in California. If you do not have adequate space, please use another sheet of paper and identify responses by the question number.

Please return completed form by: _____

ITEM I.

Name of Company UNITED STATES MFG CO (Division of Caterpillar)Location of Company: 3551 Phelan - Mission Rd, San Jose, CA 95121

Number

Street

City

Zip Code

ITEM II.

Years of operation at this location: 19 77 to 19 PRESENTWas your current location previously occupied by a different company? ☒ Yes ☐ No ☐ Unknown

If yes, what was the company name or major type of product?

UNITED STATES MFG CO (A Division of Caterpillar)3551 Phelan - Mission Rd

ITEM III.

Circle the general name(s) which best describe type(s) of industrial waste(s) produced at your facility prior to 1975:

Acetylene sludge

Acid sludge, solution

Adhesives

AFU floc

Alkaline sludge, solution

Alum floc, sludge

Aluminum dust

Asbestos, dust

ASP filter cakes

Battery acid, sludge

Bilge water

Binder solidsBlasting sand

Capacitor, electrical

Catalyst

Other(s): See back of page

Caustic

Centrifuge solids

Chemicals, sludge

Chemical spill residue, cleanup

Clarifier sludge

Coke

Coolants

Corrosion inhibitor

Cyanide solution

Detergent, soap waste

Drilling mud

Drugs, contaminated wastes

Epoxy

FCC wastes

Filter cake sludge

Flux

Fly ash

Glaze sludge

Heavy metal solution, sludge

Hydrocarbon solid, chlorinated

Hydroxide sludge

Ink, sludge, rinse water

Kieselguhr clay

Leaching and scrubbing residueMetal dust, machining wastesOils, emulsions

Organic chemicals, stripper

Oxidizer waste, sludge

Paint sludge

Pesticide containers, rinse water

Phenol waste

Photo processing waste

Plating sludge, solution

PCBs

Polymer, coating waste

Polystyrene

Polyvinyl chloride PVC

Sealant sludge

Solvent

Stretford solution

Sulfide sludge

Tank, stills, sump sediment

Tanning sludge

Tetraethyl lead sludge

Wash water

ITEM IV.

Circle the method(s) of disposal of industrial wastes indicated in Item III, produced at your facility prior to 1975:

1. Sewer

4. Landfill

7. Wells

10. Incinerator

2. Storm Drain

5. Ponds

8. Injection Well

11. Recycling

3. Surface Water

6. Pits

9. Mine Shaft

12. Other (Please specify)

A. Disposed of on plant propertyC. Treated/disposed of on plant propertyB. Disposed of off plant propertyD. Treated/disposed of off plant property

ITEM V.

Are there any inactive industrial waste disposal sites on the plant property? ☐ Yes ☒ No ☐ Unknown

If yes, indicate type(s) of disposal site(s).

☐ Incinerate☐ Ponds☐ Pits☐ Well☐ Containers☐ Injection Well☐ Mineshaft☐ Land Disposal

ITEM VI.

Please complete for any wastes disposed of OFF your plant's property before 1975:

Location of Site

Name of Hauler

Approximate Time Period Used

ITEM VII.

Please use the back of this form to provide any other information you wish on possible industrial waste disposal sites in your area used prior to 1975.

Name of responsible company official to contact: R. B. L.Title: Pres.Phone: 214 247 577

Ref. 1

STER WORKS MISC'S E.P.A. NUMBER: CAD082 06683

WASTE HAULING VENDOR: AMERICAN WASTE CONTAINER SERVICE INC.

12520-A QUICKSILVER DR. RANCHO CARMONA CA. 95670

SPECIAL FACILITIES: (PREVIOUS) CARMALIA RESOURCES, P.O. BOX 5275
CLASS I DISPOSAL SITE)

" (10-14-82 TO 1-31-83) 539 SAN YSIDRO RD. SANTA BARBARA CA.

" (PRESENT) KETTLEMEN HILL FACILITY

(6-17-83) KETTLEMEN CITY CA.

ASTING SAND: PLACED IN YUBA SUTTER WASTE CONTAINER & TAKEN TO
A SANITARY LANDFILL DISPOSAL SITE, THREE MILES EAST
OF MARYSVILLE CALIF. OFF HWY 20.

POXY: (DRY 203 & 134 POWDER) - - - - - DITTO - - - - -

ETAL DUST: - - - - - DITTO - - - - -

ACHINING WASTE: HEAVY METAL MACH. CHIPS & TURNINGS ARE PICKED-UP & RECYCLED BY YUBA
CITY SCRAP & STEEL CO. AT 1741 COLUSA HWY. YUBA CITY CALIF.

OLANTS: (CHEVRON SOLUBLE OIL, PLACED IN STYLE 17-E DRUM)

1. PICKED-UP & DISPOSED BY ABOVE VENDOR & DISPOSAL FACILITY.

POXY: (306 A&B LIQUID, PLACED IN A STYLE 17-H DRUM) HAZARDOUS WASTE CONTAINER.

1. PICKED-UP & DISPOSED BY ABOVE VENDOR & DISPOSAL FACILITY.

ILS, EMULSIONS: (CHEVRON METALWORKING FLUID 503 IS PLACED IN A 17-E DRUM)

1. PICKED-UP & DISPOSED BY THE ABOVE VENDOR & DISPOSED AT DISPOSAL FACILITY.

INT SLUDGE: (PLACED IN A STYLE 17-H DRUM) HAZARDOUS WASTE CONTAINER.

1. PICKED-UP & DISPOSED BY ABOVE VENDOR & DISPOSAL FACILITY.

OLVENTS: (PLACED IN A 17-E DRUM) HAZARDOUS WASTE CONTAINER.

A. TOLUENE

B. DRUM #16 (1,1,1. TRICHLOROETHANE)

1. PICKED-UP & DISPOSED BY ABOVE VENDOR & DISPOSAL FACILITY.

FRITS: (PLACED IN A STYLE 17-H DRUM) HAZARDOUS WASTE CONTAINER.

A. FERRO 2919-200 M, CONTAINS: SILICA, QUARTZ, BARIUM OXIDE & CUBIC OXIDE.

B. FERRO 2769-200 M, CONTAINS ABOVE & LEAD OXIDE, ANTIMONY OXIDE.

ILS, EMULSIONS: (PLACED IN STYLE 17-E DRUM) PICKED-UP FOR RECYCLING.

A. CRANK CASE OIL.

B. HYDRAULIC OIL

(PREVIOUS) 1. CLARK-WEST, INC., 410 N 10TH ST. SACRAMENTO CA.

(PRESENT) 2. YUBA SUTTER DISPOSAL, 117C ST MARYSVILLE CA.

NOTE: THOSE ITEMS THAT LIST (DRUMS AS A HAZARDOUS WASTE CONTAINER)

ARE CONSIDERED TO BE A HAZARDOUS WASTE. THE DRUMS ARE

OBTAINED FROM THE AMERICAN WASTE CONTAINER SERVICE INC., &

THEY ARE ALSO THE TRANSPORTERS OF OUR HAZARDOUS WASTE

TO A CLASS I DISPOSAL SITE.

ABANDONED SITE PROGRAM DRIVE-BY RECORD

Site Name: Waterworks MFG

Site Location: 3387 Phumas Avenue Rd

Manlyville Ca 95901

Yuba County

Facility File Number: 52 of 0001

1. Status: a. Active ☒ b. Different company _____

Inactive () _____

2. Setting: a. Urban () b. Residential () c. Near:
Suburban () Commercial () RR tracks ☒
Rural () Industrial () Drainage ☒
Agricultural () Freeway ☒

d. Paved () e. Unrestricted access ()
Partial pave ☒ Restricted access high security
Unpaved () fence and locking gate

3. Waste a. Pond () Trash can () b. Stored Ground ()
Contain- Pit () Dumpster () on: Paving ()
ment Ditch () Bag/Sack () Pallet ()
Pail/Can () Piled () 2ndary
Drum/Bbl ☒ Scattered () contain. ()
Tanks ()

4. Waste a. Inert () Solid () b. Color _____
Description Garbage () Sludge ()
(Quantities, Indstrl () Liquid ()
labeling)

5. Misc. a. Site observability good b. Odors none
c. Vegetation _____ d. Topography flat

6. Land Use (Surrounding area): Rural - residential agriculture
and pasture

7. Distance to surface water (including intermittent streams): none
drainage adjacent to site. The Feather River is 2.3 mi west
Clark Slough 2 1/4 miles west

8. Distance to food processing/packaging or agricultural production:

9. Proximity of day care centers, hospitals, nursing homes, schools or other "sensitive" populations:

Artega School 2 1-1 1/2 mi west

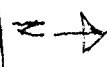
10. Estimate the number of people living and/or working in the immediate vicinity of the site.

2500

11. Proximity to sensitive environment/ecosystem? (list)

12. Map & Comments Present a graphic site description. Draw, describe, and comment on the following: buildings, paving, storage (raw materials, products, and/or wastes), security, vacant areas, and housekeeping practices. Identify streets, landmarks, and directions. Label other pertinent data.

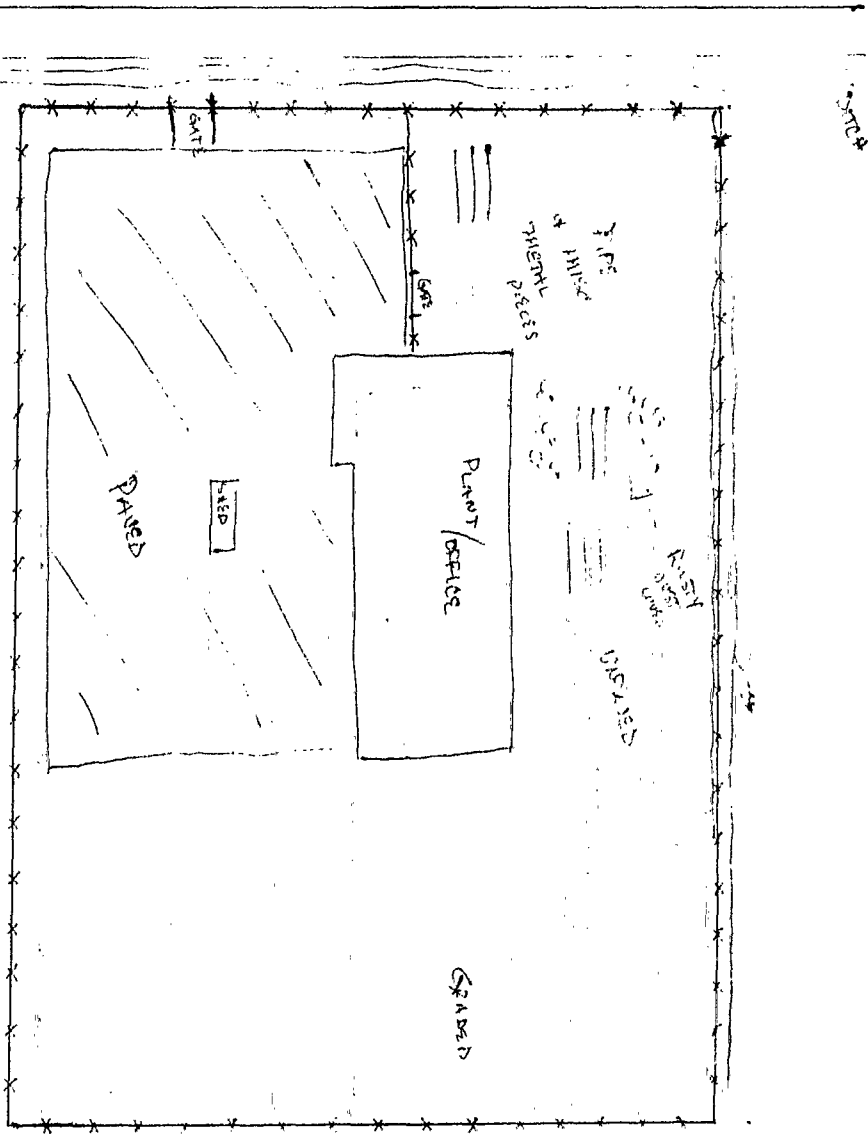
single structure plant/officer facility. A shed
is located south of the structure. The P/O
structure is on the western end of the property (site).
The south west corner of the site. This is the
existing parking area. The area south of the P/O
is paved along the length of the building. Pipe and
misc metal pieces were located at the north
end and northwest end of the site. The pipes
and pieces were either on pallets or metal
above ground racks. A dusting of rust colored
material was not in an area north of the



44.9
70

NOT
To
SCALE

PULMAS -
HARBOR ROAD



2/3 structure. No dumps, ponds or washdown
areas were noted

Name: Romy Padilla

Date: 27 January 1988

HAZARDOUS WASTE MANAGEMENT BRANCH
ABANDONED SITE PROJECT
SITE INFORMATION SUMMARY

Yuba County

August 11, 1983

Site Name: Waterworks Mfg.

Location: 3387 Plumas-Arboga Rd
Marysville, CA 95901

Staff Responsible: Ayn Schmit, Linda Kruse

History and Problem:

This company manufactures steel pipe parts such as collars, joints, etc. It is located south of Marysville directly adjacent to Hwy 70. The site was formerly a pipeline accessories company which was a division of Manville Corp. Denver, Colorado. The current company has been in operation approximately six years.

The site has no history of problems according to various government agencies. Although the company does generate hazardous waste, according to company representatives, all waste materials are recycled and/or hauled to a Class I dump site. (See abandoned Industrial Waste Disposal Site Survey for details).

On July 28, 1983, a drive-by was conducted by ASP staff. Some new appearing drums were located on the site. There was a rusty-colored unpaved washdown area on the north side of the site. The site is partially paved.

Proposed Action:

The ASP investigation did not indicate any problems at this site. However, as this company is on the RCRA Generator list, the information gathered by ASP staff should be referred to the HWMB enforcement staff for further action.

MEMO TO FILE/CONTACT REPORT

PERSON

CONTACTED: T.J. Krug DATE: 9 March 1988REPRESENTING: Yuba County Environmental HealthADDRESS: 758 14th St. Marysville, Ca 95901PHONE
NUMBER: 916 741 6251 PREPARED BY: Barry PadillaFILE NAME: Waterworks NISSUBJECT: 66' depth and gradient info.

He has received a map from County Ag plotting depth info taken from selected ag wells in the county. He stated the gradient would be west toward the Feather River however, pumping from ag wells may change the flow direction in some areas. The county has no well drill ordinances so historical info about wells is lacking. They expect to have an ordinance in about 1 year.

YUBA COUNTY AIRPORT INDUSTRIAL PARKS

PREPARED FOR:

Ref. 5

YUBA COUNTY AIRPORT • MARYSVILLE • YUBA COUNTY • CALIFORNIA

YUBA COUNTY AIRPORT INDUSTRIAL PARKS

HOUSING:

Adequate housing supply is available. New homes range in cost from \$60,000 to \$80,000. Average three-bedroom homes are priced around \$68,000 including all public improvements.

COMMUNITY FACILITIES:

HEALTH: Yuba County has 1 general hospital (Rideout Memorial Hospital) with a 128-bed capacity; 1 emergency center (Rideout Emergency Center); 2 health clinics (Yuba General Medical Clinic and Yuba Feather Health Center); 1 convalescent hospital (Marysville Convalescent Hospital); 1 rest home (Feather River Manor); 2 senior citizens housing (The Olive Tree Senior Citizen Apartment and Christian Manor Senior Citizen Apartment) offering a total of 140 apartments; 49 physicians/surgeons; 7 dentists; 7 optometrists; 4 chiropractors; 2 opticians; and 2 veterinarians.

EDUCATION: 15 elementary schools, 5 junior high schools, 3 high schools, 1 community college, and parochial schools, schools for mentally retarded and physically handicapped and specialized schools and colleges.

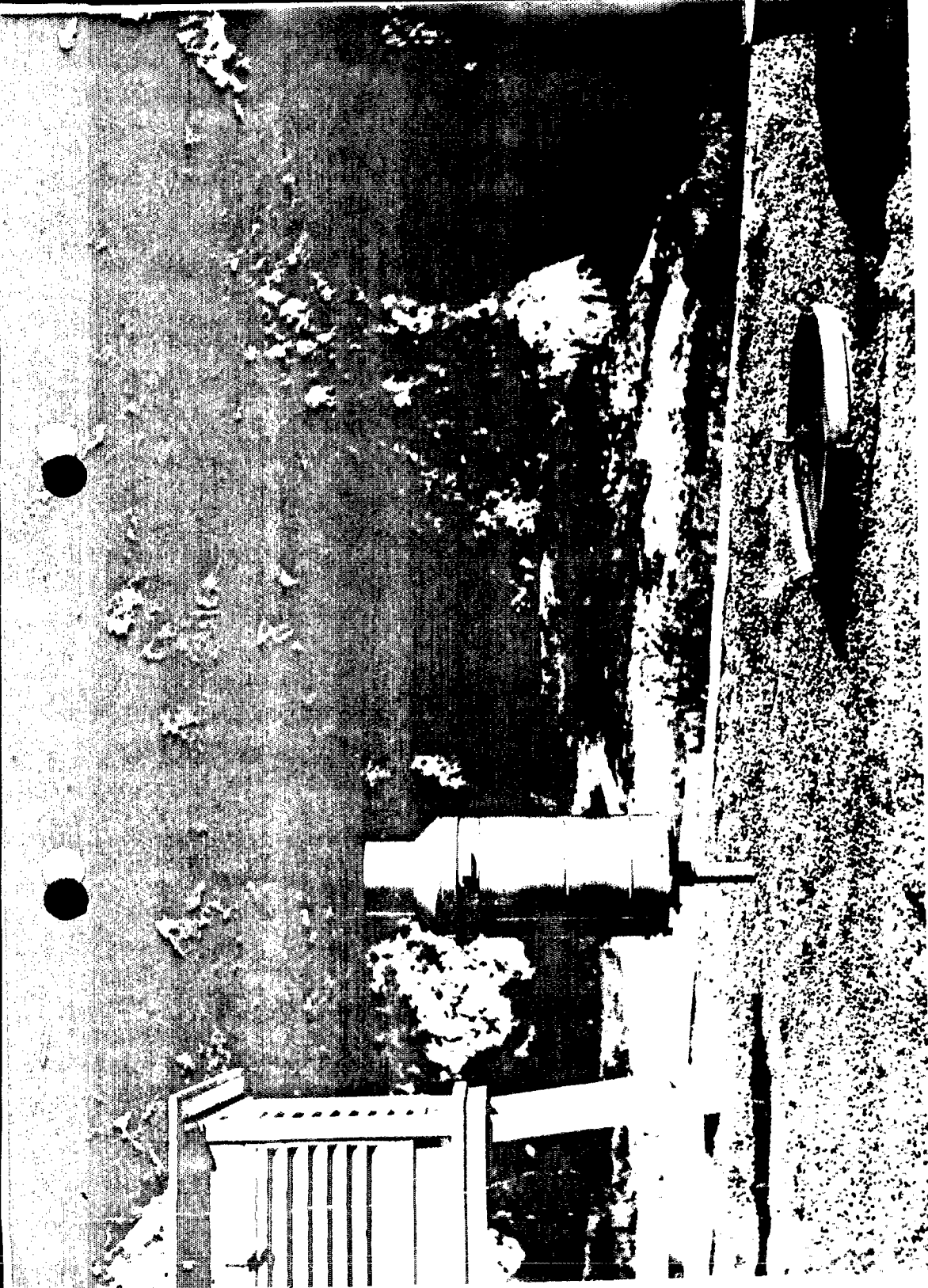
CULTURAL: 40 churches, 2 libraries, 1 newspaper, 1 radio station, 5 TV channels received direct, 1 TV cable system, 8 banks, 4 savings and loans, 7 parks, 10 playgrounds, 5 theaters and 2 playhouse production theaters, 2 skating rinks, 1 museum, boating on 3 lakes and 3 rivers, golfing, archery, fishing and hunting.

CLIMATE:

PERIOD	MIN°	MEAN°	MAX°	RAIN INCHES	ELEVATION 65 feet
January	37.5	45.4	53.3	3.55	PREVAILING WINDS: Direction: Southerly Mean Hourly Speed 5.6 m.p.h.
April	47.5	60.2	72.8	1.68	
July	60.8	78.8	105.2	.01	
October	49.1	64.1	79.1	1.08	
Year	48.7	62.1	75.5	22.33	
					SOURCE: U.S. Dept. of Commerce

SALE OR LEASE:

Airport industrial sites may be obtained by direct purchase or long-term lease. Developed sites in Yuba County, large or small are priced to attract the cost conscious investor and are offered for sale or long-term lease. Expert financial, legal and engineering assistance is available.



Evaporation from Water Surfaces in California

Ref. 6

Bulletin 73-79
November 1979

STATION NUM.		STATION NAME		ELEV	T	R	S	L	B	LATITUDE	LONGITUDE	CD.	AGENCY	ENV. CD.
ADD 538500		MARYSVILLE		80	15N	03E	13	N	M	39 08 46	121 35 04	YUB	900	
PAN	YEAR	TOTAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
A	1949			22	14	34	35	76	139	158	246	259	71	157
	1950	1495	105	46	24	25	56	87	121	186	215	275	213	142
	1951	1457	90	62	15	26	37	93	118	169	238	260	207	162
	1952	1438	88	37	41	29	40	128	101	172	203	246	209	144
	1953		89	55	33	27	63	79	108	152	194			
A	MEAN	1413	93	44	25	28	48	93	117	167	219	260	175	146

STATION NUM.		STATION NAME		ELEV	T	R	S	L	B	LATITUDE	LONGITUDE	CD.	AGENCY	ENV. CD.
ADD 619451		NICOLAUS 3SE		70	12N	04E	20	N	M	38 52 14	121 32 39	SUT	906	A
PAN	YEAR	TOTAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
A	1978											221	207	192
	1979		108	50	32	31	41	73						
A	MEAN	715	108	50	32	31	41	73				221	207	192

STATION NUM.		STATION NAME		ELEV	T	R	S	L	B	LATITUDE	LONGITUDE	CD.	AGENCY	ENV. CD.
ADD 652335		DROVILLE 11NNW BUTTE CDL		340	21N	03E	28	G	M	39 38 59	121 35 38	BUT		D
PAN	YEAR	TOTAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
A	1975							123	159	283	354	343	267	203
	1977	1998	167	67	54	25	68	118	198	196	297	333	275	200
	1978	1803	141	68	43	38	48	75	112	251	283	285	290	169
	1979		174	50	48	35	33	74	122					
A	MEAN	1942	161	62	48	33	50	98	148	243	311	320	277	191

STATION NUM.		STATION NAME		ELEV	T	R	S	L	B	LATITUDE	LONGITUDE	CD.	AGENCY	ENV. CD.
ADD 652800		DROVILLE R S		300	19N	04E	07	C	M	39 31 32	121 34 02	BUT	900	D
PAN	YEAR	TOTAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
A	1949					25	38	85	75	103	205	221	180	153
	1950	1576	143	50	27	31	38	72	150	203	213	264	230	155
	1951	1419	98	28	38	16	22	100	111	173	237	232	228	136
	1952	1446	77	46	42	19	34	86	128	194	210	251	207	152
	1953	1389	92	46	39	44	64	83	119	131	188	232	200	151
	1954		93	51	32									
A	MEAN	1419	101	44	36	27	39	85	117	161	211	240	209	149

STATION NUM.		STATION NAME		ELEV	T	R	S	L	B	LATITUDE	LONGITUDE	CD.	AGENCY	ENV. CD.
ADD 652501		DROVILLE AG COM		250	19N	04E	06	N	M	39 32 00	121 35 00	BUT	806	D
PAN	YEAR	TOTAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
A	1959		200	93			76	137	190	251	341	374	313	250
	1960		214											
A	MEAN	2232	207	93			76	137	190	251	341	374	313	250

STATION NUM.		STATION NAME		ELEV	T	R	S	L	B	LATITUDE	LONGITUDE	CD.	AGENCY	ENV. CD.
ADD 662001		PALERMO 3SW		115	18N	04E	19	D	M	39 24 30	121 34 30	BUT	806	P
PAN	YEAR	TOTAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
A	1960					46	63	87	139	183	247	262	240	168
	1961		134	61	39									
A	MEAN	1669	134	61	39	46	63	87	139	183	247	262	240	168

STATION NUM.		STATION NAME		ELEV	T	R	S	L	B	LATITUDE	LONGITUDE	CD.	AGENCY	ENV. CD.
ADD 729111		RED BLUFF 3E		0	27N	03W	23	H	M	00 00 00	000 00 00	TEH	806	A
PAN	YEAR	TOTAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
A	1959					48	55	129	158	176	257	275	221	211
	1960	1732	141	85	57	36	70	93	126	174	270	289	212	179
	1961	1676	145	51	46	31	58	89	154	166	241	285	219	191
	1962	1753	114	88	42	70	58	87	169	192	262	271	233	167
	1963	1587	108	56	60	44	47	92	128	169	251	263	218	151
	1964	1652	93	41	22	45	105	104	166	189	215	265	227	180
	1965	1496	106	50	45	46	70	84	103	211	210	225	184	162
	1966	1707	112	52	32	41	65	115	182	204	261	237	233	173
	1967	1531	131	54	22	55	61	81	76	186	207	246	234	178
	1968	1638	116	50	72	46	36	88	176	189	250	239	189	187
	1969	1601	99	39	21	25	37	101	131	248	247	267	223	163
	1970	1830	129	93	62	36	52	139	159	224	236	255	230	215
	1971	1686	120	37	23	49	68	89	134	162	239	316	234	215
	1972	1733	134	71	38	54	51	101	168	208	244	267	229	168
	1973		107	38	30									
A	MEAN	1666	118	58	41	45	60	99	145	193	242	264	220	181

STATION NUM.		STATION NAME		ELEV	T	R	S	L	B	LATITUDE	LONGITUDE	CD.	AGENCY	ENV. CD.
ADD 729180		RED BLUFF 11NE		350	40	20	12			012		TEH	806	A
PAN	YEAR	TOTAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
A	1970							171	175	235	235	304	263	223
	1971		124						148	170	209	247	224	214
	1972		155						156	127	191	232	208	
A	MEAN	1572	140					171	160	177	212	261	232	219